



Follow-up to
TASK 5802
Mike Bradley <mbradley@utah.gov>

Cost Estimate for Revised East Pond Reclamation Plan

M105710002

3 messages

Incoming

Joe Havasi <havasij@compassminerals.com>

Wed, Apr 16, 2014 at 10:45 PM

To: Mike Bradley <mbradley@utah.gov>

Cc: Paul Baker <paulbaker@utah.gov>, Cody Moultrie <cmoultrie@bowencollins.com>, Thayne Clark <tclark@bowencollins.com>

Hi Mike,

Please find a cost estimate from our consulting engineers, Bowen Collins (of Sandy, Utah), for the implementation of the revised eastside reclamation plan in accordance with our discussions. Please call my cell to discuss any questions, issues, or next steps (including filing official DOGM reclamation costing forms).

Best Regards

Joe

**Joseph Havasi****Director, Natural Resources****Compass Minerals****9900 West 109th Street, Suite 100****Overland Park, KS 66210****Direct: 913-344-9252****Mobile: 913-940-3491****Fax: 913-433-9629****GSLM_East Pond Revised Reclamation Plan Cost Estimate.pdf**

55K

Mike Bradley <mbradley@utah.gov>

Thu, Apr 17, 2014 at 10:23 AM

To: Joe Havasi <havasij@compassminerals.com>

Cc: Paul Baker <paulbaker@utah.gov>, Cody Moultrie <cmoultrie@bowencollins.com>, Thayne Clark

<tclark@bowencollins.com>

Joe,

Thanks for submitting this. Once reviewed, we can issue the final approval for the dike reclamation that was tentatively approved previously. The entire bond is coming up for periodic escalation next month, so we will have to do a complete review anyway. These figures will help to that end.

Thanks,

[Quoted text hidden]

--

Mike Bradley
Environmental Scientist III / Reclamation Specialist
Utah Division of Oil, Gas and Mining
M-F 7:30-4:30
[801-538-5332](tel:801-538-5332)

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Mike Bradley <mbradley@utah.gov>
To: Paul Baker <paulbaker@utah.gov>

Thu, Apr 17, 2014 at 10:25 AM

Paul,

This bond amount that Joe Havasi sent has me a little confused. At \$1,572,000, it is nearly 3 times the current bond we hold for all of GSLM, at least according to FoxPro (\$579,400). However, there is a bond calc XL sheet in the file that shows roughly \$1.5M is required. Do you know what the difference is between what FoxPro says we hold and what the XL sheet says we should hold? Penny also said we only have a half-million cumulative in three separate sureties.

GSLM is due for escalation next month anyway, so I guess now is a good time to figure this out.

Thanks,

On Wed, Apr 16, 2014 at 10:45 PM, Joe Havasi <havasij@compassminerals.com> wrote:

[Quoted text hidden]

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Mike Bradley
Environmental Scientist III / Reclamation Specialist
Utah Division of Oil, Gas and Mining
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Follow-up TO TASK
5802

154 East 14000 South
Draper, Utah 84020
801.495.2224 (phone)
801.495.2225 (fax)

April 14, 2014

Joe Havasi
Great Salt Lake Minerals Corporation
765 North 10500 West
Ogden Utah 84404

Subject: Estimated Costs for East Ponds Dike Reclamation

Joe:

Bowen, Collins and Associates has been asked to provide an opinion of probable costs for reclaiming the perimeter dikes for the East Side Evaporation Ponds for Great Salt Lake Minerals Corporation. The reclamation process includes removing the riprap armoring from the dikes and using it to create waterfowl nesting islands. This opinion of probable cost is based on the following:

1. The volume of existing perimeter dike riprap was estimated through visual inspection.
2. The size and spacing of the waterfowl nesting islands are based on this estimated available riprap volume.
3. Costs were developed using earth loading and haul rates obtained from similar recent earthwork projects at the site.
4. Costs for constructing are in 2014 dollars.

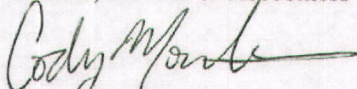
The anticipated costs for building the waterfowl nesting islands and reclaiming the site are estimated below:

\$ 687,000	Construct Bird Habitat from riprap materials
\$ 105,000	Breaches adjacent to Bird Habitat Areas
\$ 70,000	Post-Evaporation Mineral Return – Internal Breaching
\$ 550,000	Pump Operation 2-five month efforts
\$ 160,000	Pump Operation Labor
\$1,572,000	Total

A more detailed table of the earthwork quantities and costs has been provided with this letter. If you have any questions or need any additional information, please call.

Sincerely,

Bowen, Collins & Associates


Cody Moultrie, P.E.



Mike Bradley <mbradley@utah.gov>

Pond berm reclamation

3 messages

Mike Bradley <mbradley@utah.gov>

Wed, Apr 2, 2014 at 8:27 AM

To: "Joseph (Joe) Havasi" <havasij@compassminerals.com>

Hi Joe,

I need to ask how you're coming along on the bond calculations to do the proposed amendment to modify the reclamation methods on the pond dikes. I would like to get that wrapped up so I can issue final approval of the amendment. Right now it's tentative pending a review of the bond coverage.

I'll be in the field today, but if you have any questions, please let me know.

Thanks,

--

Mike Bradley

Environmental Scientist III / Reclamation Specialist

Utah Division of Oil, Gas and Mining

M-F 7:30-4:30

[801-538-5332](tel:801-538-5332)

Joe Havasi <havasij@compassminerals.com>

Thu, Apr 3, 2014 at 10:08 AM

To: Mike Bradley <mbradley@utah.gov>

Mike,

I am intending to have to you by Monday. In addition, we are mapping out current borrow pit extents currently as well.

Best

Joe

From: Mike Bradley [mailto:mbradley@utah.gov]**Sent:** Wednesday, April 02, 2014 9:28 AM**To:** Joe Havasi**Subject:** Pond berm reclamation

[Quoted text hidden]

Mike Bradley <mbradley@utah.gov>

Thu, Apr 3, 2014 at 10:15 AM

To: Joe Havasi <havasij@compassminerals.com>

Thanks Joe.